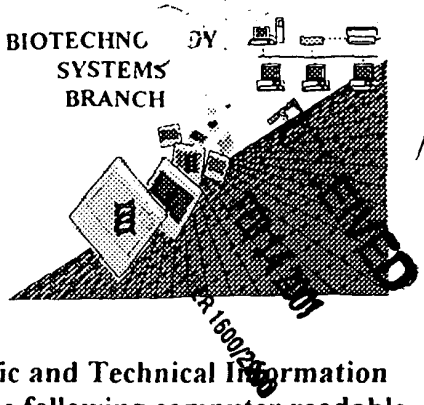
D Srivastava

BIOTECHNOLOGY SYSTEMS BRANCH

P#13

RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/424,487A

Source: 1653

Date Processed by STIC: 1-17-01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 3.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

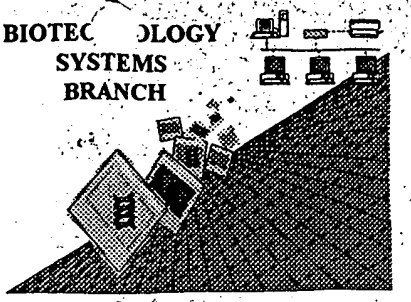
Checker Version 3.0 can be down loaded from the USPTO website at the following address:

http://www.uspto.gov/web/offices/pac/checker

Hope Robinson

renew

RAW SEQUENCE LISTING ERROR REPORT



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D. Srivastava

1653

RAW SEQUENCE LISTING DATE: 01/17/2001
PATENT APPLICATION: US/09/424,487A TIME: 12:20:34

Input Set : A:\CHOO1.APP.txt
Output Set: N:\CRF3\01172001\I424487A.raw

Does Not Comply
Corrected Diskette Needed
pp. 2, 3, 4

```
 3 <110> APPLICANT: CHOO, Yen
 4       KLUG, Aaron
 5       ISALAN, Mark
 7 <120> TITLE OF INVENTION: Nucleic Acid Binding Proteins
 9 <130> FILE REFERENCE: 71278/264975
11 <140> CURRENT APPLICATION NUMBER: US 09/424,487A
C--> 12 <141> CURRENT FILING DATE: 2000-02-29
14 <150> PRIOR APPLICATION NUMBER: GB 9710809.6
15 <151> PRIOR FILING DATE: 1997-05-23
17 <150> PRIOR APPLICATION NUMBER: PCT/GB98/01512
18 <151> PRIOR FILING DATE: 1998-05-26
20 <160> NUMBER OF SEQ ID NOS: 17
22 <170> SOFTWARE: PatentIn Ver. 2.1
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 264
26 <212> TYPE: DNA
27 <213> ORGANISM: Artificial Sequence
29 <220> FEATURE:
30 <221> NAME/KEY: CDS
31 <222> LOCATION: (1)..(264)
33 <220> FEATURE:
34 <223> OTHER INFORMATION: Description of Artificial Sequence: encoding
35       nucleic acid binding proteins
37 <400> SEQUENCE: 1
38 gca gaa gag aag cct ttt cag tgt cga atc tgc atg cgt aac ttc agc   48
39 Ala Glu Glu Lys Pro Phe Gln Cys Arg Ile Cys Met Arg Asn Phe Ser
40   1               5                  10                  15
42 gat cgt act act ctt acc cgc cac acg agg acc cac aca ggc gag aag   96
43 Asp Arg Thr Thr Leu Thr Arg His Thr Arg Thr His Thr Gly Glu Lys
44              20                  25                  30
46 cct ttt cag tgt cga atc tgc atg cgt aac ttc agc agg agc gat aac   144
47 Pro Phe Gln Cys Arg Ile Cys Met Arg Asn Phe Ser Arg Ser Asp Asn
48          35                  40                  45
50 ctt acg aga cac cta agg acc cac aca ggc gag aag cct ttt cag tgt   192
51 Leu Thr Arg His Leu Arg Thr His Thr Gly Glu Lys Pro Phe Gln Cys
52      50                  55                  60
54 cga atc tgc atg cgt aac ttc agg caa gct gat cat ctt caa gag cac   240
55 Arg Ile Cys Met Arg Asn Phe Arg Gln Ala Asp His Leu Gln Glu His
56  65                  70                  75                  80
58 cta aag acc cac aca ggc gag aag                                  264
59 Leu Lys Thr His Thr Gly Glu Lys
60                  85
63 <210> SEQ ID NO: 2
64 <211> LENGTH: 88
65 <212> TYPE: PRT
66 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
```

RAW SEQUENCE LISTING DATE: 01/17/2001
PATENT APPLICATION: US/09/424,487A TIME: 12:20:34

Input Set : A:\CHO01.APP.txt
Output Set: N:\CRF3\01172001\I424487A.raw

```
 69 <223> OTHER INFORMATION: Description of Artificial Sequence: encoding
 70       nucleic acid binding proteins
 72 <400> SEQUENCE: 2
 73 Ala Glu Glu Lys Pro Phe Gln Cys Arg Ile Cys Met Arg Asn Phe Ser
 74   1               5                  10                  15
 76 Asp Arg Thr Thr Leu Thr Arg His Thr Arg Thr His Thr Gly Glu Lys
 77              20                  25                  30
 79 Pro Phe Gln Cys Arg Ile Cys Met Arg Asn Phe Ser Arg Ser Asp Asn
 80          35                  40                  45
 82 Leu Thr Arg His Leu Arg Thr His Thr Gly Glu Lys Pro Phe Gln Cys
 83      50                  55                  60
 85 Arg Ile Cys Met Arg Asn Phe Arg Gln Ala Asp His Leu Gln Glu His
 86  65                  70                  75                  80
 88 Leu Lys Thr His Thr Gly Glu Lys
 89                  85
 93 <210> SEQ ID NO: 3
 94 <211> LENGTH: 18
 95 <212> TYPE: PRT
 96 <213> ORGANISM: Artificial Sequence
 98 <220> FEATURE:
 99 <223> OTHER INFORMATION: Description of Artificial Sequence: Nucleic acid
100       binding protein
102 <220> FEATURE:
103 <221> NAME/KEY: BINDING
104 <222> LOCATION: (1)..(18)
105 <223> OTHER INFORMATION: where X is any amino acid
107 <400> SEQUENCE: 3
W--> 108 Xaa Cys Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa His Xaa Xaa
     109   1               5                  10                  15
W--> 111 Xaa His
     115 <210> SEQ ID NO: 4
     116 <211> LENGTH: 21
     117 <212> TYPE: PRT
     118 <213> ORGANISM: Artificial Sequence
     120 <220> FEATURE:
     121 <223> OTHER INFORMATION: Description of Artificial Sequence: where X is any
     122       amino acid
     124 <220> FEATURE:
     125 <221> NAME/KEY: BINDING
     126 <222> LOCATION: (1)..(21)
     128 <400> SEQUENCE: 4 <223>
W--> 129 Xaa Cys Xaa Xaa Cys Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa Leu Xaa Xaa
     130   1               5                  10                  15
W--> 132 His Xaa Xaa Xaa His
     133              20
     136 <210> SEQ ID NO: 5
     137 <211> LENGTH: 26
     138 <212> TYPE: PRT
     139 <213> ORGANISM: Artificial Sequence
```

where is source of the artificial sequence?

RAW SEQUENCE LISTING DATE: 01/17/2001
PATENT APPLICATION: US/09/424,487A TIME: 12:20:34

Input Set : A:\CHOO1.APP.txt
Output Set: N:\CRF3\01172001\I424487A.raw

```
     207       probability of any of the four bases at DNA position 3
     209 <220> FEATURE:
     210 <221> NAME/KEY: BINDING
     211 <222> LOCATION: (1)..(9)
     213 <400> SEQUENCE: 8
W--> 214 Gly Asn Xaa Xaa Cys Gly Gly Cys Gly
     215   1               5
     218 <210> SEQ ID NO: 9
     219 <211> LENGTH: 9
     220 <212> TYPE: PRT
     221 <213> ORGANISM: Artificial Sequence
     223 <220> FEATURE:
     224 <223> OTHER INFORMATION: Description of Artificial Sequence: where X
     225       denotes a known combination of the two bases at
     226       DNA positions 4X and 5X
     228 <220> FEATURE:
     229 <221> NAME/KEY: BINDING
     230 <222> LOCATION: (1)..(9)
     232 <400> SEQUENCE: 9
W--> 233 Gly Cys Xaa Xaa Cys Gly Gly Cys Gly
     234   1               5
     237 <210> SEQ ID NO: 10
     238 <211> LENGTH: 28
     239 <212> TYPE: PRT
     240 <213> ORGANISM: Artificial Sequence
     242 <220> FEATURE:
     243 <223> OTHER INFORMATION: Description of Artificial Sequence: Zinc finger
     244       binding protein
     246 <220> FEATURE:
     247 <221> NAME/KEY: BINDING
     248 <222> LOCATION: (1)..(28)
     250 <400> SEQUENCE: 10
     251 Phe Gln Cys Arg Ile Cys Met Arg Asn Phe Ser Asp Arg Ser Ser Leu
     252   1               5                  10                  15
     254 Thr Arg His Thr Arg Thr His Thr Gly Glu Lys Pro
     255               20                  25
     258 <210> SEQ ID NO: 11
     259 <211> LENGTH: 28
     260 <212> TYPE: PRT
     261 <213> ORGANISM: Artificial Sequence
     263 <220> FEATURE:
     264 <223> OTHER INFORMATION: Description of Artificial Sequence: Zinc finger
     265       binding protein
     267 <220> FEATURE:
     268 <221> NAME/KEY: BINDING
     269 <222> LOCATION: (1)..(28)
     271 <400> SEQUENCE: 11
     272 Phe Gln Cys Arg Ile Cys Met Arg Asn Phe Ser Asp Arg Ser His Leu
     273   1               5                  10                  15
```

"Xaa" cannot denote a base.

Description of artificial sequence?

RAW SEQUENCE LISTING DATE: 01/17/2001
PATENT APPLICATION: US/09/424,487A TIME: 12:20:34

Input Set : A:\CHOO1.APP.txt
Output Set: N:\CRF3\01172001\I424487A.raw

```
Thr Arg His Thr Arg Thr His Thr Gly Glu Lys Pro
             20                  25
<210> SEQ ID NO: 12
<211> LENGTH: 27
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Zinc finger
      binding protein
<220> FEATURE:
<221> NAME/KEY: BINDING
<222> LOCATION: (1)..(27)
<400> SEQUENCE: 12
Phe Gln Cys Arg Ile Cys Met Arg Asn Phe Ser Asp Arg Ser Asn Leu
  1               5                  10                  15
Thr Arg His Thr Arg Thr His Thr Gly Glu Lys
             20                  25
<210> SEQ ID NO: 13
<211> LENGTH: 9
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Zinc finger
      binding protein
<220> FEATURE:
<221> NAME/KEY: BINDING
<222> LOCATION: (1)..(9)
<400> SEQUENCE: 13
Ala Gly Ala Gly Ala Gly Cys Thr Cys
  1               5
<210> SEQ ID NO: 14
<211> LENGTH: 8
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: 8bp
      palindromic sequence which is bound and cleaved by
      the restriction endonuclease NotI
<220> FEATURE:
<221> NAME/KEY: BINDING
<222> LOCATION: (1)..(8)
<400> SEQUENCE: 14
Gly Cys Gly Gly Cys Cys Gly Cys
  1               5
<210> SEQ ID NO: 15
<211> LENGTH: 9
<212> TYPE: PRT
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
```

VERIFICATION SUMMARY DATE: 01/17/2001
PATENT APPLICATION: US/09/424,487A TIME: 12:20:35

Input Set : A:\CHOO1.APP.txt
Output Set: N:\CRF3\01172001\I424487A.raw

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:111 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9

US 0942448707P1

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Team: OIPEBackFileIndexing
Dossier: 09424487

Legal Date: 03-28-2001

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1	CRFL	7

Total number of pages: 7

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